

Figure 1

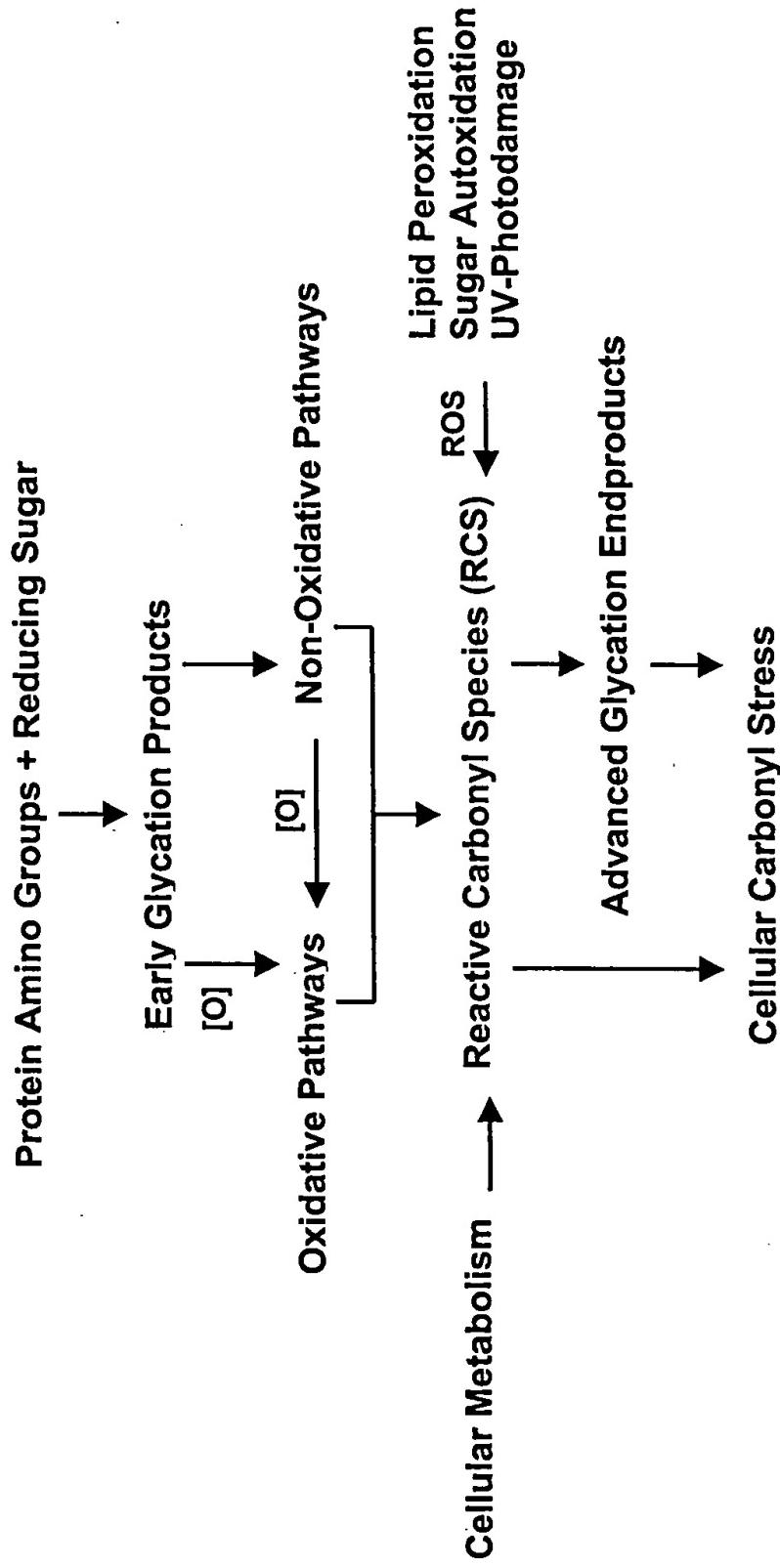
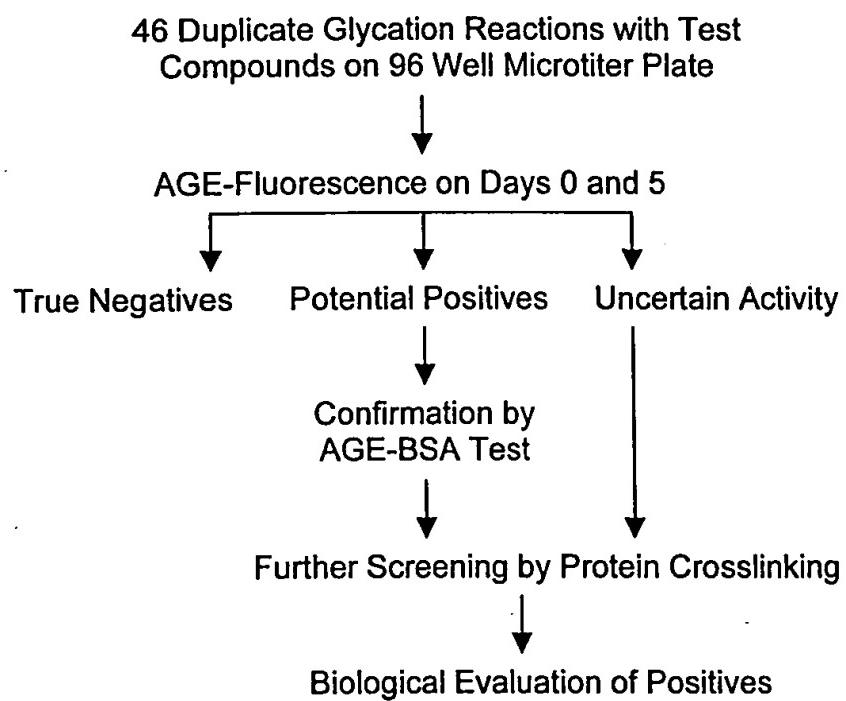


Figure 2



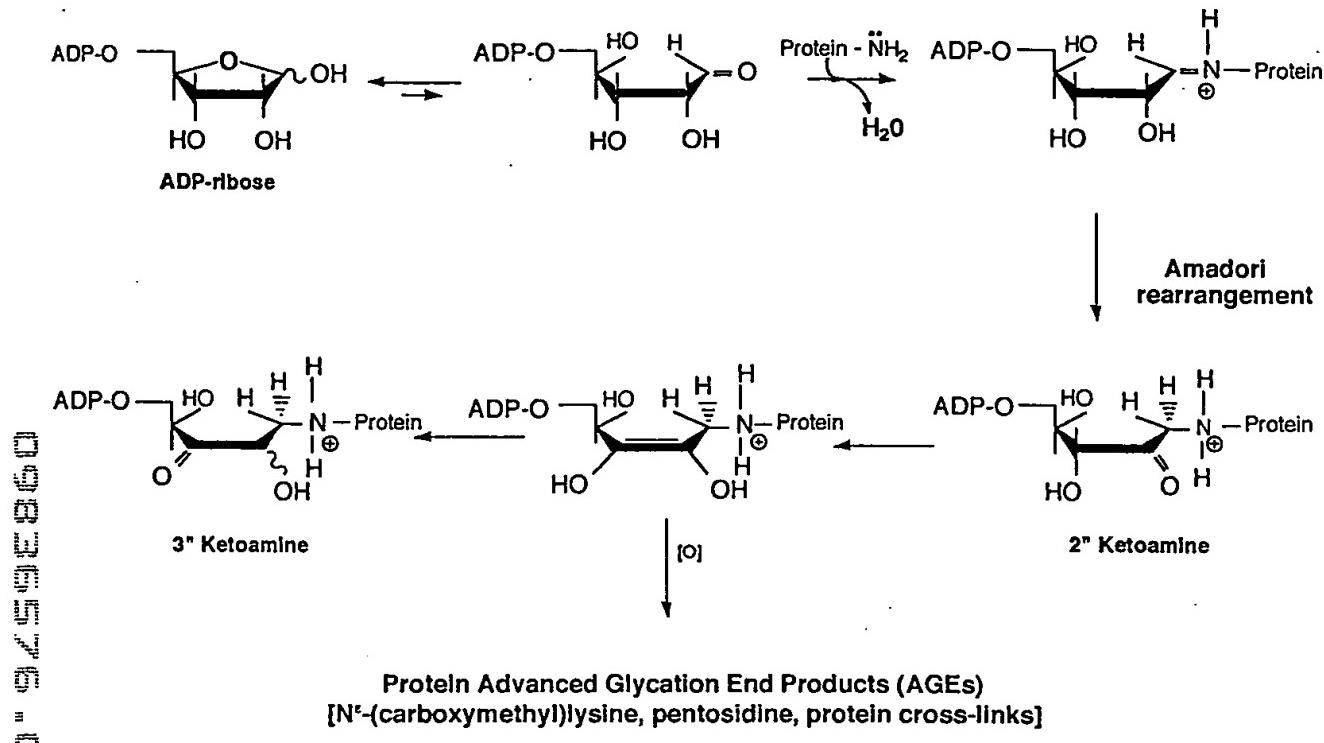


Figure 3

**AGE-Inhibitor Screening:
Time course of AGE-fluorescence**

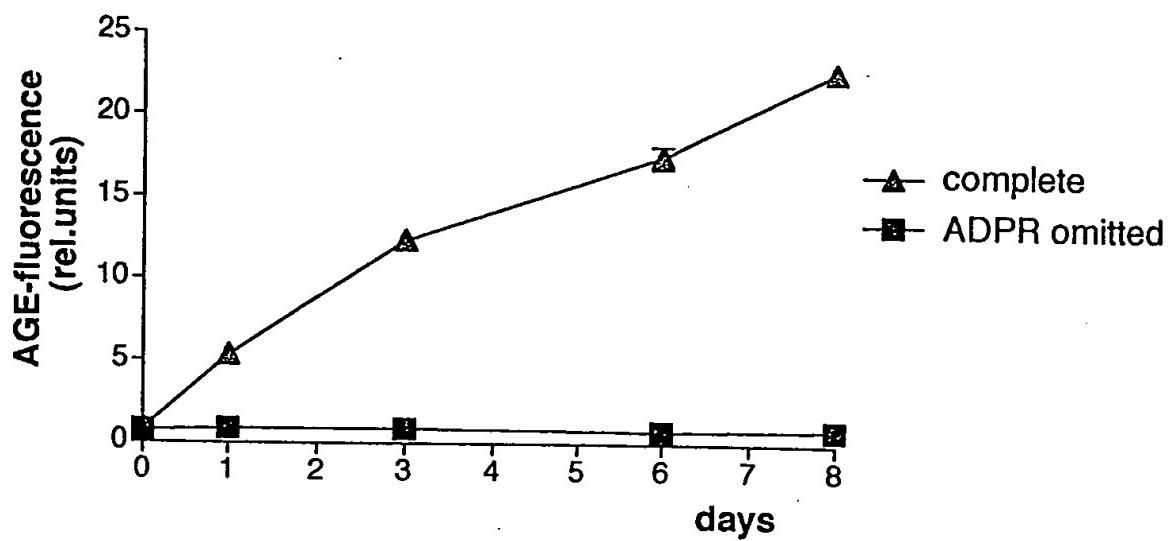


Figure 4

Fluorescence yield of various sugars and histone H1 over 7 days

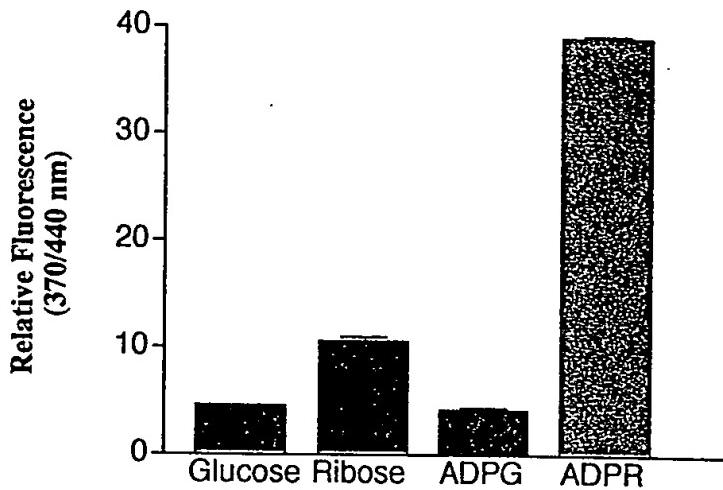


Figure 5

Effectiveness of histone H1 as a target protein for glycation

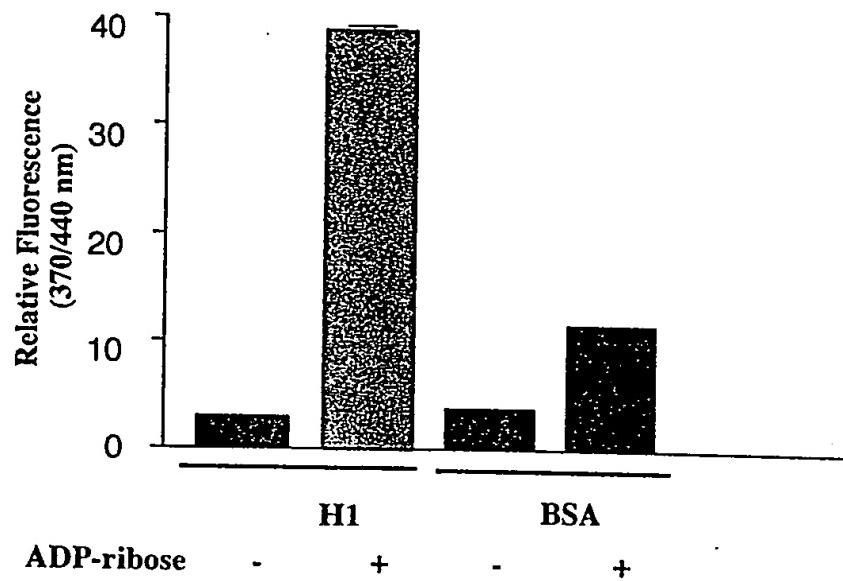


Figure 6

Aminoguanidine inhibits glycation of histone H1 by ADP-ribose

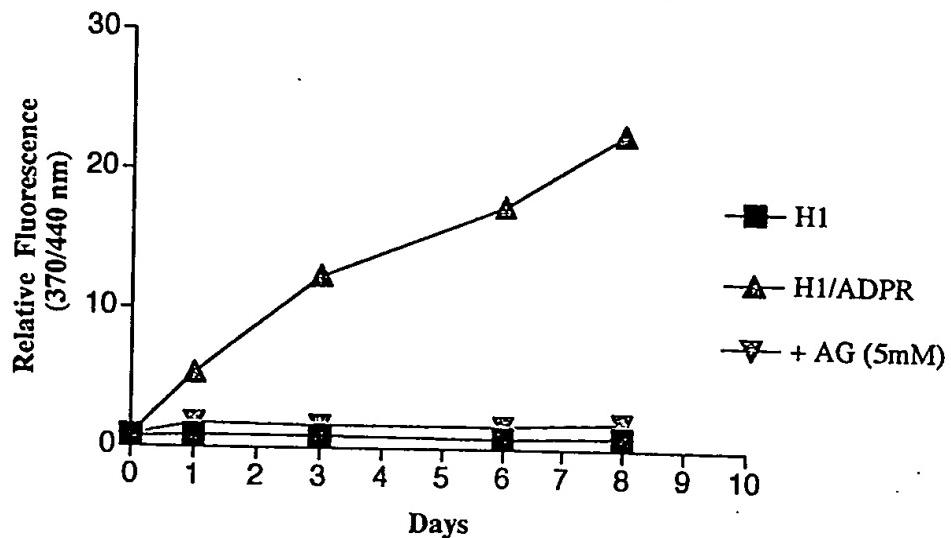
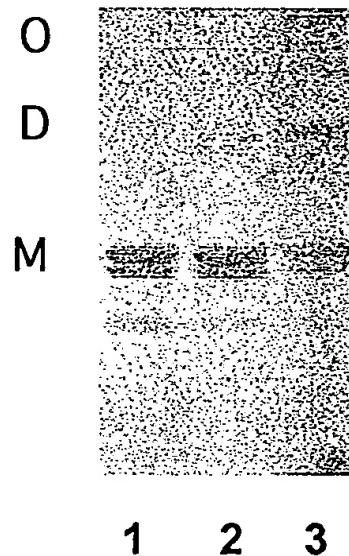


Figure 7

Coomassie stain



silver stain



Figure 8

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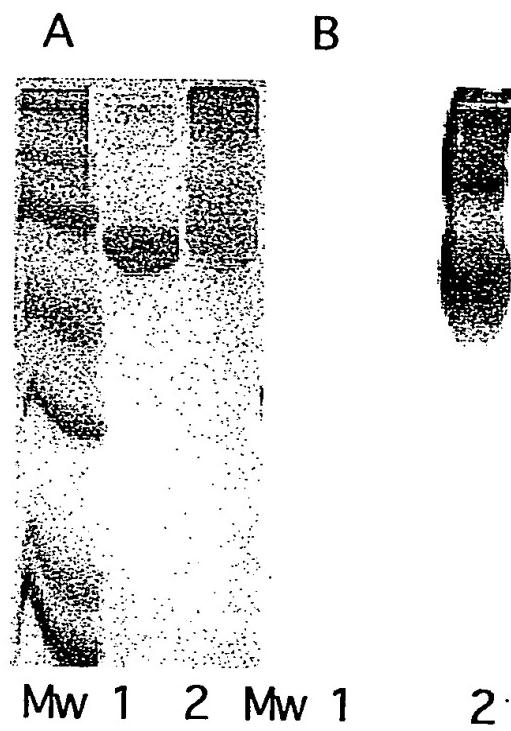


Figure 9

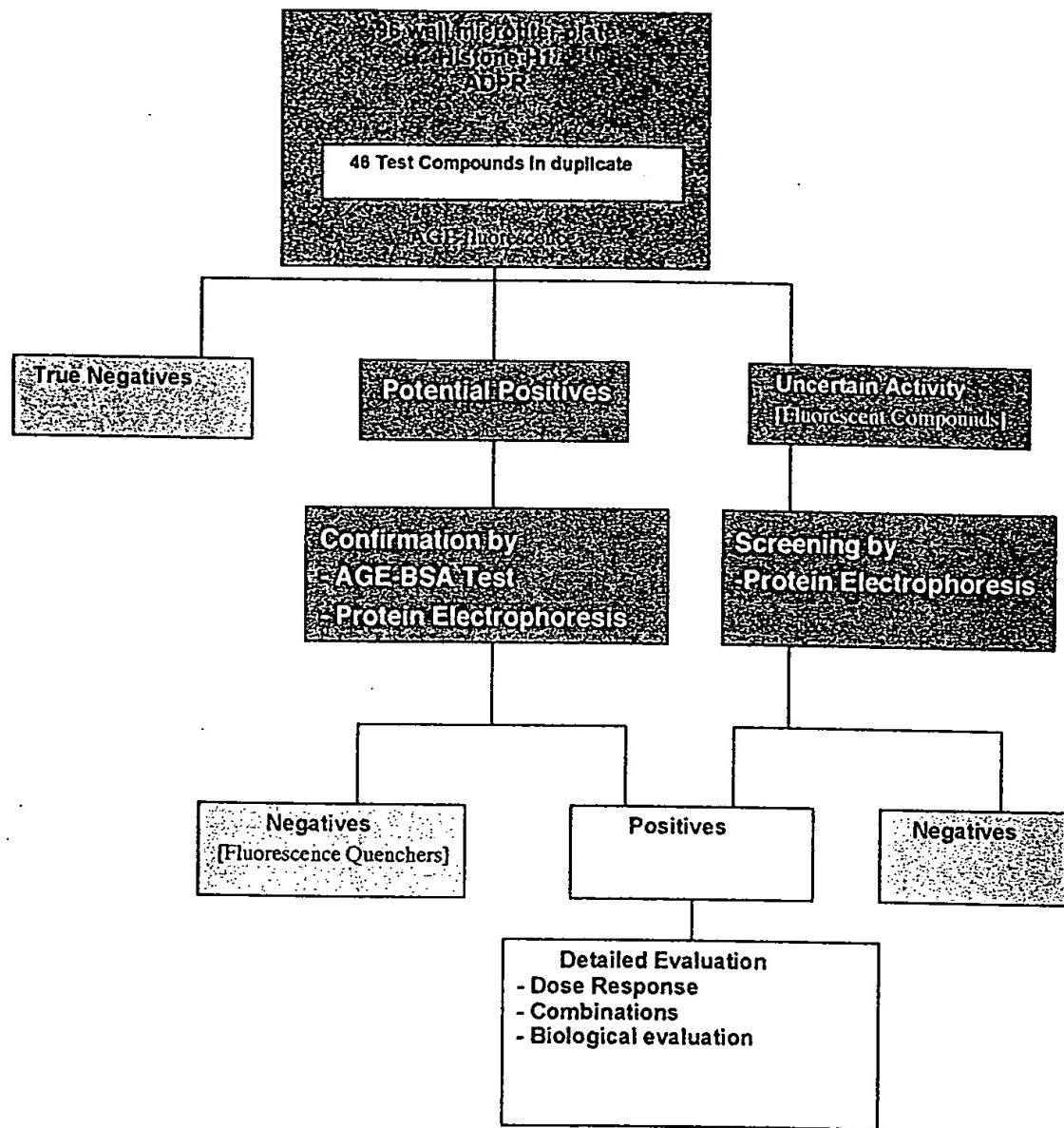


Figure 10

AGE-Inhibitor Screening Example: L-cysteine

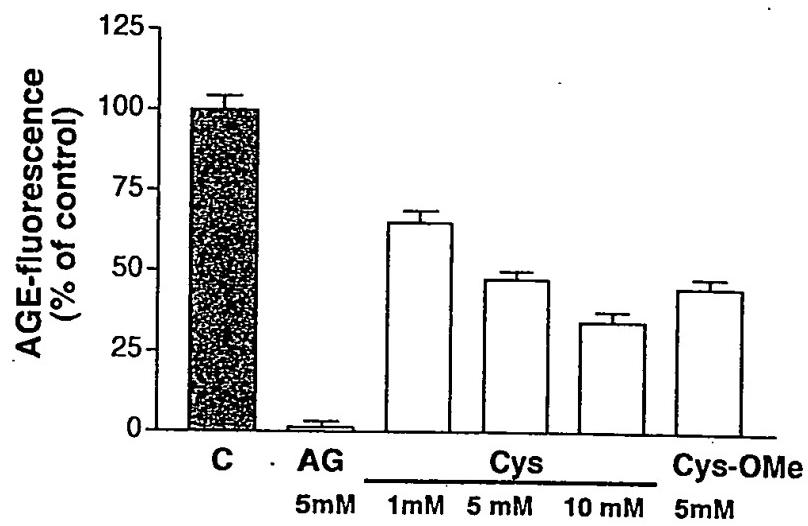


Figure 11

AGE-Inhibitor Screening: True Negatives

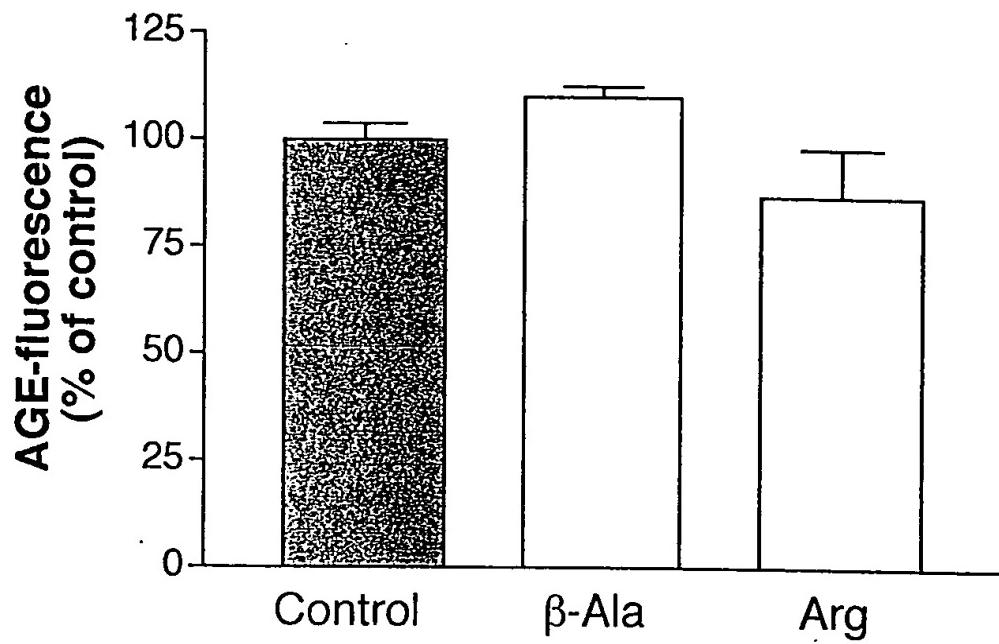


Figure 12

100 90 80 70 60 50 40 30 20 10 0

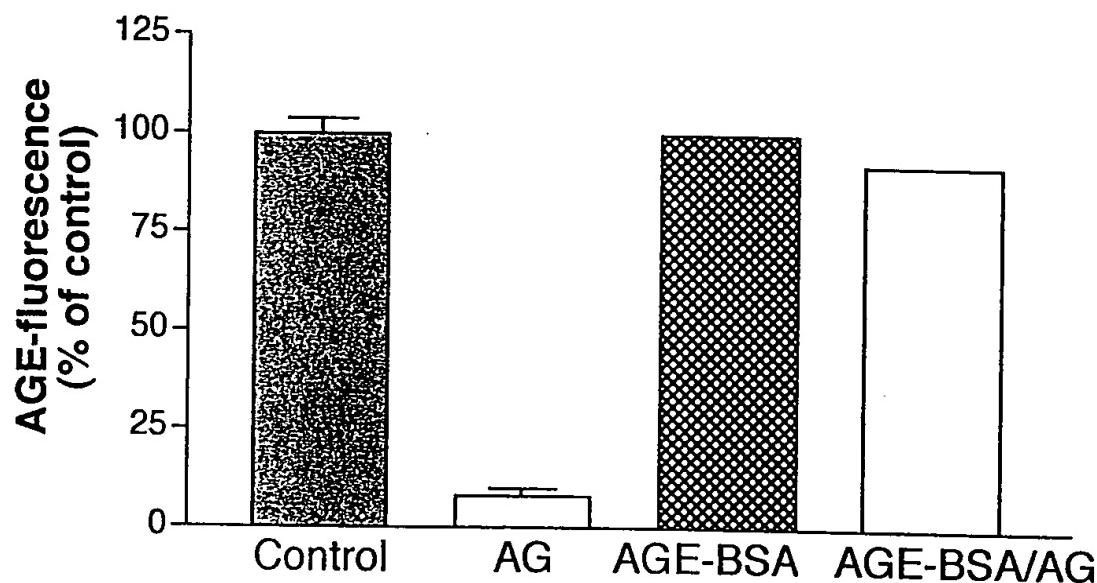


Figure 13

Confirming Potential Positives II: Protein Electrophoresis

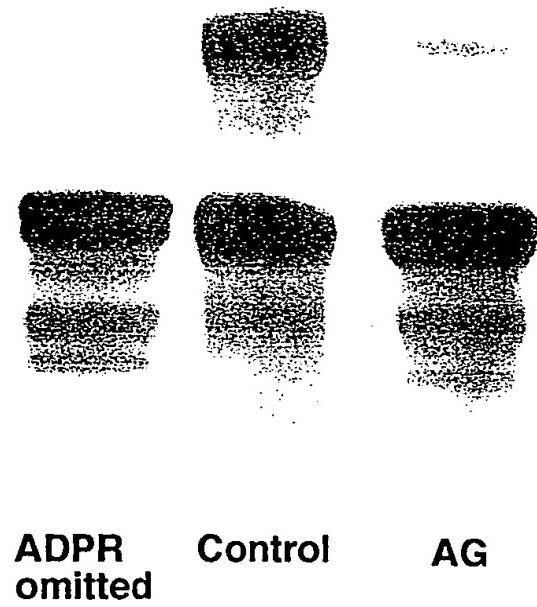
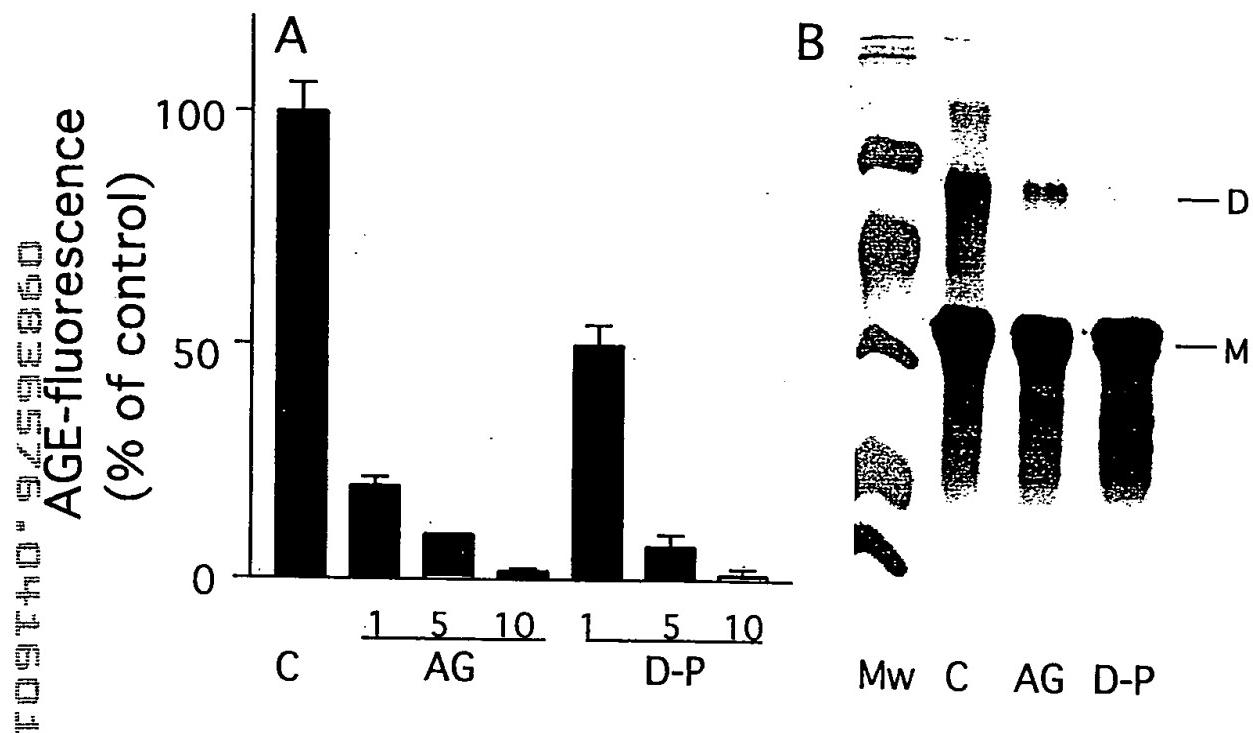


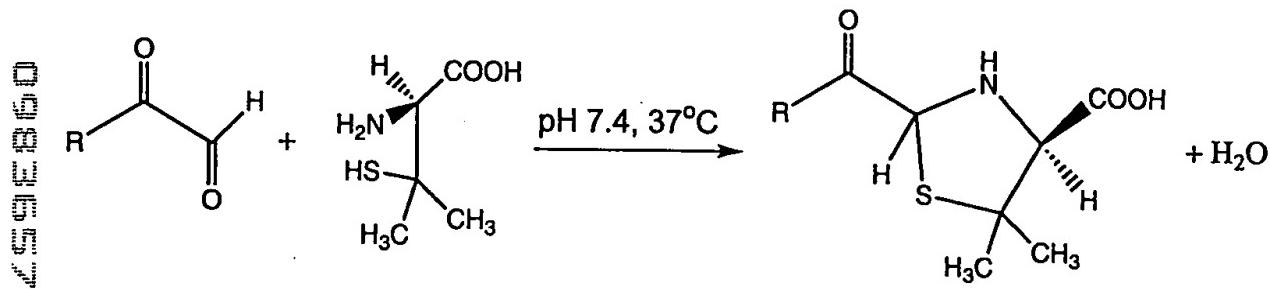
Figure 14

□ १३४३६५२८६

Figure 15

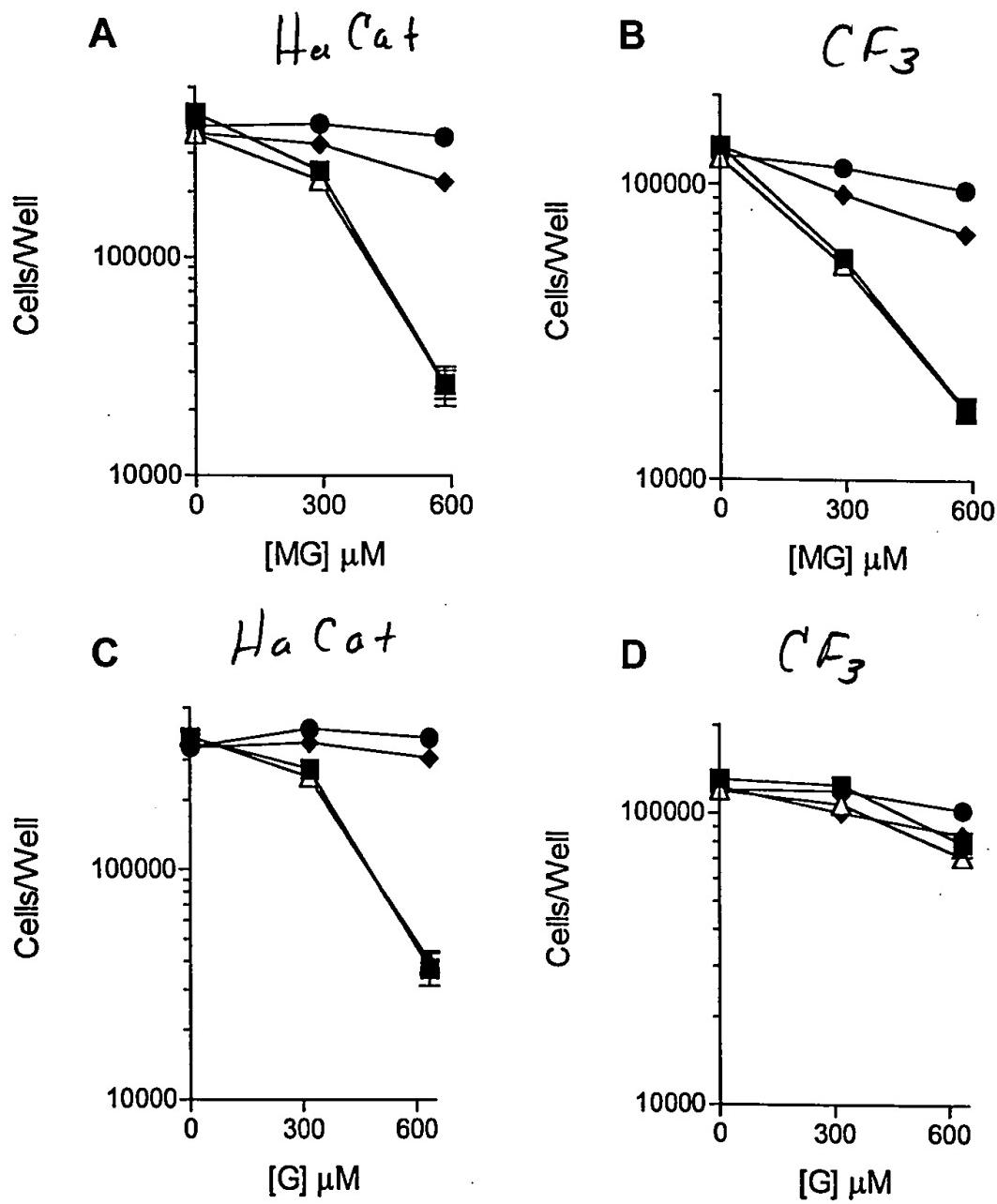


Hydure 16



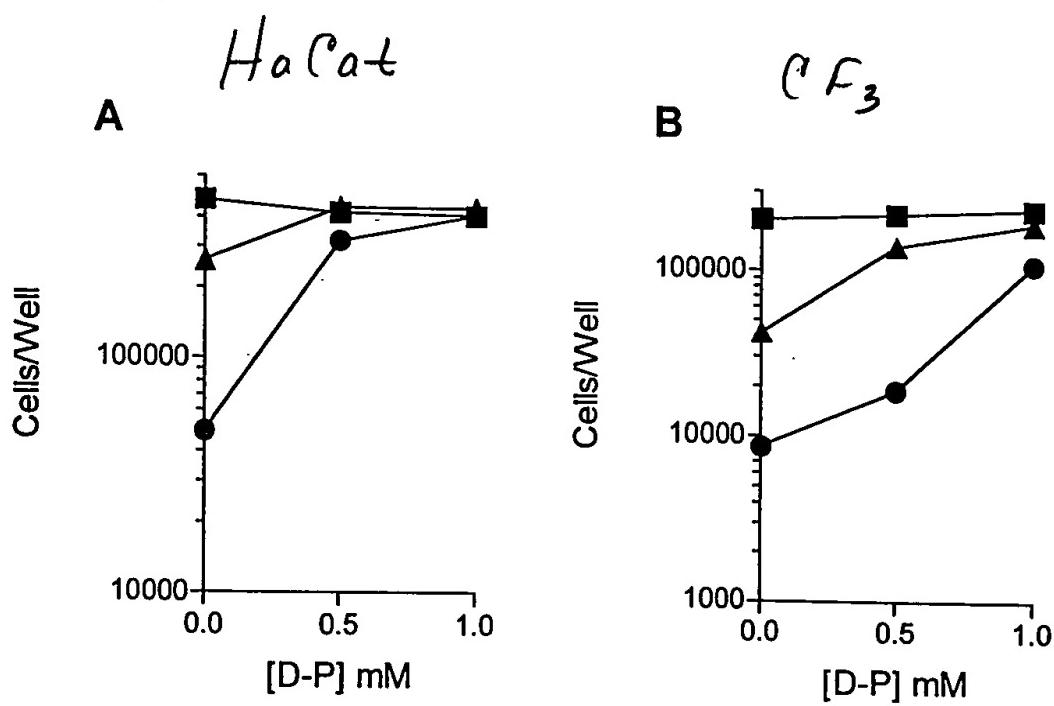
$\text{R} = \text{CH}_3 \text{ or } \text{C}_6\text{H}_5$

Figure 17



■ : d-dicarbonyl alone
 △ = L alanine (1mM)
 ◆ = Ominoguanidine
 ● = D-penicillamine

Figure 18



- : no methylglyoxal
- ▲ : methylglyoxal ($300 \mu M$)
- : methylglyoxal ($600 \mu M$)

D - P : D - penicillamine

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Figure 19

